

**Name**

Shoko KONISHI (maiden name: FUKUYAMA)

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Department of Human Ecology

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**Current Position and Affiliations**

2018-present Associate Professor, Department of Human Ecology, The University of Tokyo

2011-present Affiliate Assistant Professor, Department of Anthropology, University of  
Washington

**Research and Teaching Interests**

Human Ecology, Biodemography, Environmental Health

**Education**

2007 Ph.D. Health Science, University of Tokyo

2004 M.A. Health Science, University of Tokyo

2002 B.A. Health science, University of Tokyo

**Research Grants and Support**

2019-2022 Have innovation and environmental chemicals increased infertility? Japan Society  
for the Promotion of Science. 25,880,400 yen (approx. \$237,800)  
PI: S Konishi

2019-2024 Assessment on the effects of salt intake and cold chain on national health  
improvement in Southeast Asian nations. Fund for the Promotion of Joint  
International Research (Fostering Joint International Research (B))  
PI: T Araki

2017-2018 Effect modification of inorganic arsenic toxicity by selenium in children: A study  
using telomere length. The Ministry of Education, Culture, Sports, Science and  
Technology, Japan, Grant-in-Aid for Scientific Research (B)  
PI: C Watanabe

- 2016-2019 Estimation of fecundability based on a cohort study. The Ministry of Education, Culture, Sports, Science and Technology, Japan, Grant-in-Aid for Scientific Research (C) 5,070,000 yen (approx. \$46,000).  
PI: S Konishi
- 2014-2016 *US-Japan comparison of biobehavioral factors related to low fertility*. Social Science Research Council, ABE fellowship US\$98,747 PI: S Konishi
- 2011-2014 *Effect of Cigarette Smoking on Reproductive Aging among Japanese Young Women*. The Ministry of Education, Culture, Sports, Science and Technology, Japan, Grant-in-Aid for Young Scientists (B) 4,160,000 yen (approx. \$37,000).  
PI: S Konishi
- 2009-2010 *Effect of Mild Undernutrition on Fecundity of Japanese Young Women*. The Ministry of Education, Culture, Sports, Science and Technology, Japan, Grant-in-Aid for Young Scientists (B) 4,160,000 yen (approx. \$37,000).  
PI: S Konishi

## Publications

### Peer-Reviewed Journal Articles

- Konishi S**, Saotome TT, Shimizu K, Oba MS, O'Connor KA (2020) Coital frequency and the probability of pregnancy in couples trying to conceive their first child: A prospective cohort study in Japan. *Int J Environ Res Public Health*, 17, 4985; doi:10.3390/ijerph17144985.
- Wai KM, Ser PH, Ahmad SA, Yasmin R, Ito Y, **Konishi S**, Umezaki M, Watanabe C (2019) In-utero arsenic exposure and growth of infants from birth to 6 months of age: a prospective cohort study in rural Bangladesh. *Int J Environ Health Res*, 1-14.
- Mizuno Y, **Konishi S**, Imai H, Fujimori E, Kojima N, Yoshinaga J (2019) Cadmium exposure and blood telomere length in female university students in Japan. *Biol Trace Elem Res*  
<https://doi.org/10.1007/s12011-019-1656-3>.
- Konishi S**, Yoshinaga J, Nishihama Y, Onoda Y, Chisaki Y, Imai H (2018) Urinary 8-hydroxy-2'-deoxyguanosine (8-OHdG) concentrations and menstrual cycle characteristics in female university students. *Int J Environ Res Public Health* 15:12 pii: E2616. doi: 10.3390/ijerph15122616.
- Stickley A, Ng CFS, Watanabe C, Inoue Y, Koyamagi A, **Konishi S** (2018) General thoughts of death and mortality: findings from the Komo-Ise cohort, Japan. *Epidemiol Psychiatr Sci* doi: 10.1017/S2045796018000434
- Khan R, **Konishi S**, Ng CFS, Umezaki M, Kabir AF, Tasmin S, Watanabe C (2019) Association between short-term exposure to fine particulate matter and daily emergency room visits at a cardiovascular hospital in Dhaka, Bangladesh. *Sci Total Environ* 646:1030-1036.
- Konishi S**, Sakata S, Watanabe C, Ng CFS (2018) Conception delay and spontaneous and indicated preterm birth among primiparous women in Japan. *J Health Hum Ecol* 84:117-128.

- Konishi S**, Ng CFS, Watanabe C (2018) U-shaped association between fertility and mortality in a community-based sample of Japanese women. *J Epidemiol Community Health* 72:337-341.
- Konishi S**, Sakata S, Oba SM, O'Connor KA (2018) Age and time to pregnancy for the first child among couples in Japan. *J Pop Stud (Jinkogakukenkkyu)* 54:1-8.
- Nishihama Y, Ameda R, Yoshinaga J, **Konishi S**, Yoneyama M, Nakajima D, Shiraishi H, Imai H (2018) Inter- and intra-individual variation in urinary concentration of parabens in male and female Japanese subjects. *J Environ Sci Health A* 53:73-78.
- Sakata S, **Konishi S**, Ng CFS, Watanabe C (2018) Preterm birth rates in Japan from 1979 to 2014: Analysis of national vital statistics. *J Obstet Gynaecol Res* 44:390-396.
- Phosri A, Ueda K, Tasmin S, Kishikawa R, Hayashi M, Hara K, Uehara Y, Phung VLH, Yasukouchi S, **Konishi S**, Honda A, Takano H (2017) Interactive effects of specific fine particulate matter compositions and airborne pollen on frequency of clinic visits for pollinosis in Fukuoka, Japan. *Environ Res*, 156:411-419.
- Sakata S, **Konishi S**, Ng CFS, Kishikawa R, Watanabe C (2017) Association of Asian Dust with daily medical consultations for pollinosis in Fukuoka City, Japan. *Environ Health Prev Med*, 22:25.
- Stickley A, Ng CFS, **Konishi S**, Koyanagi A, Watanabe C (2017) Airborne pollen and suicide mortality in Tokyo, 2001-2011. *Environ Res*, 155:134-140.
- Ser PH, Omi S, Shimizu-Furusawa H, Yasutake A, Sakamoto M, Hachiya N, **Konishi S**, Nakamura M, Watanabe C (2017) Differences in the responses of three plasma selenium-containing proteins in relation to methylmercury-exposure through consumption of fish/whales. *Toxicol Lett* 267:53-58.
- Nishihama Y, Yoshinaga J, Iida A, **Konishi S**, Imai H, Yoneyama M, Nakajima D, Shiraishi H (2016) Association between paraben exposure and menstrual cycle in female university students in Japan. *Reprod Toxicol* 63:107-113.
- Ng CFS, Stickley A, **Konishi S**, Watanabe C (2016) Ambient air pollution and suicide in Tokyo, 2001-2011. *J Affect Disord* 201:194-202.
- Konishi S**, O'Connor KA (2016) Salivary but not blood cortisol excretion is associated with metabolic biomarkers in health young women. *Am J Hum Biol* 28:539-544.
- Konishi S**, Ng CFS, Stickley A, Watanabe C (2016) Pollinosis and all-cause mortality among middle-aged and elderly Japanese: a population-based cohort study. *Clin Exp Allergy* 46:1083-1089.
- Konishi S**, Tamaki E (2016) Pregnancy intention and contraceptive use among married and unmarried women in Japan. *Japan J Health Hum Ecol (Nihon Kenko Gakkai Shi)* 82:110-124.
- Nishihama Y, Yoshinaga J, Iida A, **Konishi S**, Imai H (2015) Menstrual cycle length and source of its variation in female university students majoring in nursing sciences. *Nihon Eiseigaku Zasshi* 70:139-148. (in Japanese)
- Shinsugi C, Stickley A, **Konishi S**, Ng CFS, Watanabe C. Seasonality of child and adolescent injury

- mortality in Japan, 2000-2010. *Environ Health Prev Med* 20:36-43.
- Konishi S**, Nishihama Y, Iida A, Yoshinaga J, Imai H (2014) The association of antimüllerian hormone levels with menstrual cycle type and dysmenorrhea in young asymptomatic women. *Fertil Steril* 102:1439-1443.
- Konishi S**, Ng CFS, Stickley A, Nishihata S, Shinsugi C, Ueda K, Takami A, Watanabe C (2014) Particulate matter modifies the association between airborne pollen and daily medical consultations for pollinosis in Tokyo. *Sci Total Environ* 499:125-132.
- Konishi S** (2014) High fertility and high out-migration rates in the Kingdom of Tonga: features of demographic transition in a MIRAB society. *Japan J Health Hum Ecol (Nihon Kenko Gakkai Shi)*, 80:48-53. (in Japanese)
- Parajuli RP, Fujiwara T, Umezaki M, **Konishi S**, Takane E, Maharjan M, Tachibana K, Jiang HW, Pahari K, Watanabe C. Prevalence and risk factors of Soil-transmitted helminth (STH) infection in Nepal (2014) *Trans R Soc Trop Med Hyg* doi:10.1093/trstmh/tru013
- Konishi S**, Parajuli RP, Takane E, Maharjan M, Tachibana K, Jiang HW, Pahari K, Inoue Y, Umezaki M, Watanabe C. (2014) Significant sex difference in the association between C-reactive protein concentration and anthropometry among 13- to 19-year olds, but not 6- to 12-year olds in Nepal. *Am J Phys Anthropol*, 154:42-51
- Ng CFS, Ueda K, Takeuchi A, Nitta H, **Konishi S**, Bagrowicz R, Watanabe C, Takami A. (2014) Socio-geographic variation in the effects of heat and cold temperature on daily mortality in Japan. *J Epidemiol*, 24:15-24.
- Konishi S**, Brindle E, Guyton A, O'Connor KA. (2012) Salivary concentration of progesterone and cortisol significantly differs between individuals after correcting for blood hormone values. *Am J Phys Anthropol*, 149:231-241.
- Konishi S**, Parajuli RP, Takane E, Maharjan M, Sharma S, Tachibana K, Jiang HW, Pahari K, Pandey BD, Watanabe C. (2011) Health status of married women residing five communities in Nepal: Unexpectedly high prevalence of anemia in a well-off community of Kathmandu. *Nepal Med Coll J*, 13:1-6.
- Konishi S**, Watanabe C, Umezaki M and Ohtsuka R (2011) Energy and nutrient intake of Tongan adults estimated by 24-hour recall: The importance of local food. *Ecol Food Nutr*, 50:337-350.
- Fukuyama S**, Watanabe C, Umezaki M and Ohtsuka R (2009) Twenty years' demographic change in sedentes and migrants of an international migrant-sending community in Tonga. *J Biosoc Sci*, 41:71-81.
- Fukuyama S**, Inaoka T, Matsumura Y, Yamauchi T, Natsuhara K, Kimura R and Ohtsuka R (2005) Anthropometry of 5-19 year old Tongan children with special interest in the high prevalence of obesity among adolescent girls. *Ann Hum Biol*, 32:714-723.
- Fukuyama S**, Nakazawa M and Ohtsuka R (2005) Simulating the spread of *Chlamydia trachomatis* infection with an individual-based stochastic model: Evaluation of the effects of approval of low-dose oral contraceptive pill in Japan. *Japan J Health Hum Ecol (Nihon Kenko Gakkai Shi)*,

71:157-167.

*Book Chapters*

- Konishi S**, Tamaki E, Yoshinaga J (2018) “Biodemography of Fertility in Japan” Hara T [editor-in-chief], Springer Briefs in Population Studies, Population Studies of Japan, Springer Nature, Singapore.
- Konishi S** (2014) Why do Tongans gain weight? -an approach from Human Ecology. In: Furuta M et al. (eds) Introduction to the Environmental Studies in Asia. University of Tokyo Press. (in Japanese)
- Konishi S** (2009) Demography of International Migration. In:Yoshioika M et al. (eds) *Oceanic Studies*. Kyoto University Press, Kyoto, pp.277-289. (in Japanese)

*Non-Peer Reviewed Articles*

- Konishi S** (2019) Scientific evaluation of the “likelihood of pregnancy”. *Hoken No Kagaku*, 61:599-603. (in Japanese)
- Konishi S** (2019) International Comparative Study of Infertility Rate. *Igaku No Ayumi*, 268:1000-1001. (in Japanese)
- Konishi S** (2018) Biodemography. In: Hara T et al. (eds) *Encyclopedia of Population Science*. Maruzen Publishing, Tokyo, pp.380-381 (in Japanese)
- Konishi S** (2018) Mathematical Model of Pregnancy and Childbearing. In: Hara T et al. (eds) *Encyclopedia of Population Science*. Maruzen Publishing, Tokyo, pp.492-493. (in Japanese)
- Ohtsuka R, **Konishi S** (2018) Human Ecological Analysis of Marriage and Birth. In: Hara T et al. (eds) *Encyclopedia of Population Science*. Maruzen Publishing, Tokyo, pp.510-511. (in Japanese)
- Konishi S** (2015) Infertility with Age in Men and Women: Biodemography Perspective of the Birth. *Igaku No Ayumi*, 254:517-519. (in Japanese)
- Konishi S** (2011) Interdisciplinary Study of Reproductive Aging. *Population Studies*, 47:121. (in Japanese)
- Fukuyama S** (2005) Work Time of Tongans in a Suburban Village: Estimation with Time-Allocation Method. *Ecological Anthropology Newsletter*, 11:12-13.

*Dissertation*

- Fukuyama S** (2007) Nutritional Ecology of Tongans: Study on Food Intake and Physical Activity Pattern in a Population with High Prevalence of Obesity. Ph.D. Thesis, University of Tokyo.
- Fukuyama S** (2004) International migration and fertility change of Tongans: A population ecological study in a migrant-sending community. M.D. Thesis, University of Tokyo.

**Fukuyama S** (2002) Simulating the spread of *Chlamydia trachomatis* infection with an individual-based stochastic model. B.D. Thesis, University of Tokyo.

*Professional Presented Papers and Published Abstracts*

Hamasaki K, **Konishi S**, Takayasu L, Ohtsuki H. Heterogeneity of the probability of pregnancy and Sterility: A Model Study. The 12th Annual Meeting of Human Behavior & Evolution Society of Japan (HBES-J). December 7-8, 2019, Tokyo. (in Japanese, poster)

**Konishi S**, Saotome TT, Shimizu K, Oba MS, O'Connor KA. Coital frequency, infertility treatment, and probability of conception of Japanese couples trying to conceive. The Annual Meeting of the American Anthropological Association, the Canadian Anthropology Society, November 20-24, 2019, Vancouver.

**Konishi S**, Umezaki M, Suzuki S. Association between parity and self-perceived health: An investigation on the mechanisms using confirmatory factor analysis. The 84th Annual Meeting of the Japanese Society of Health and Human Ecology. November 1-3, 2019, Nagasaki. (in Japanese)

Sakai Y, Araki T, Sekiyama M, **Konishi S**. Estimation of sodium intake in Indonesia. The 84th Annual Meeting of the Japanese Society of Health and Human Ecology. November 1-3, 2019, Nagasaki. (poster, in Japanese)

Mizuno Y, Umezaki M, **Konishi S**, Shimizu H, Watanabe C, ENVRERA Research Group. Analysis of the association between urinary metal concentrations and blood pressure using the ENVRERA database. Metal Bioscience Workshop 2019, October 29-30, 2019, Tokyo. (poster, in Japanese)

**Konishi S**, Nishihama Y, Imai H, Umezaki M, Yoshinaga J. Paraben exposure through sunscreen use and menstrual cycle. The 21st meeting of the Japan Society of Endocrine Disrupters Research, December 15-16, 2018, Tokyo. (poster, in Japanese)

**Konishi S**, Mizuno Y, Saotome TT, Shimizu K, Oba MS, O'Connor KA. Urinary iodine concentration and fecundability: A prospective study of pregnancy planners in Japan. The 21st meeting of the Japan Society of Endocrine Disrupters Research, December 15-16, 2018, Tokyo. (poster, in Japanese)

**Konishi S**. Parity and self-perceived health: An analysis using self-administered Total Health Index (THI) in Komo-Ise cohort. The 83rd Annual Meeting of the Japanese Society of Health and Human Ecology, November 23-24, 2018, Maebashi. (in Japanese)

Mizuno Y, **Konishi S**, Imai H, Fujimori E, Kojima N, Yoshinaga J. Cadmium exposure and telomere length. Metal Bioscience Workshop 2018, November 16-17, 2018, Sendai. (in Japanese, poster)

Mizuno Y, **Konishi S**, Imai H, Fujimori E, Kojima N, Yoshinaga J. Exposure to heavy metals and telomere length. The 6th Metallomics Research Forum (The 104th Meeting of Discussion group for PLASMA Spectrochemistry), November 1-2, 2018, Hachioji. (in Japanese)

**Konishi S**, Kotoh E, Oshikawa C, Soh N, Kishikawa R. An analysis of the association between airborne sugi pollen and climatic conditions in Kyushu between 1989 and 2014. The 59th

- Annual Meeting of the Palynological Society of Japan. September 22, 2018, Tsu. (in Japanese)
- Konishi S.** Organized session “Population Studies of Abortion and Infanticide”. The 70th Annual Meeting of the Population Association of Japan, June 3, 2018. Urayasu. (in Japanese)
- Konishi S,** Saotome T. Results of two-year follow-up study of a prospective study on time to pregnancy. The 88th Annual Meeting of the Japanese Society for Hygiene, March 24, 2018, Tokyo. (in Japanese)
- Konishi S,** Nishihama Y, Imai H, Umezaki M, Yoshinaga J. Exposure to parabens and fecundity. The 82th Annual Meeting of the Japanese Society of Health and Human Ecology, November 10, 2017, Kunigami (Okinawa). (in Japanese)
- Konishi S,** Nishihata S, Masuyama K, Ozawa M. An analysis on the association between airborne pollen of sugi and hinoki and incidence of pollinosis. The 58<sup>th</sup> Annual Meeting of Palynological Society of Japan. September 17, 2017, Hamamatsu. (in Japanese)
- Konishi S,** Saotome T, Shimizu K, Oba M, Tsurumaki K. A preliminary analysis on fecundability and the timing of sexual intercourse. The 69th Annual Meeting of the Population Association of Japan, June 11, 2017, Sendai. (in Japanese)
- Konishi S.** Organized session “Biodemography of fertility”. The 69th Annual Meeting of the Population Association of Japan, June 11, 2017, Sendai. (in Japanese)
- Tsurumaki K, Sakata S, **Konishi S.** Demographic characteristics of mothers and low birthweight of their infants. The 69th Annual Meeting of the Population Association of Japan, June 11, 2017, Sendai. (in Japanese)
- Konishi S, Sakata S. Moon phases and birth. The 81st Annual Meeting of the Japanese Society of Health and Human Ecology, November 26-27, 2016, Tokyo. (declined, due to a health issue)
- Konishi S,** Chris Fook Sheng Ng, Ozawa M, Masuyama. Sex differences in pollinosis consultation: An analysis using daily number of patients. The 57th Annual Meeting of Palynological Society of Japan, October 1, 2016. Hitachi. (in Japanese)
- Tamaki E, **Konishi S.** The Social Determinants of Menstrual Cycle Characteristics among Japanese Women. The 111th Annual Meeting of the American Sociological Association, August 20-23, 2016, Seattle.
- Konishi S,** Saotome T, Tsurumaki K, O’Connor KA. The first trial of a prospective study on time to pregnancy in Japan. Conference of International Society for Environmental Epidemiology and International Society of Exposure Science – Asia Chapter 2016 (ISEE-ISES AC2016), June 28, 2016, Sapporo.
- Konishi S,** Saotome T, Tsurumaki K, Sakata S, O’Connor KA. Age and time to pregnancy among Japanese couples. The 68th Annual Meeting of the Population Association of Japan, June 12, 2016, Kashiwa. (in Japanese)
- Koishi S,** Ng CFS, Stickley A, Watanabe C. Pollinosis and mortality in the middle-aged elderly: An analysis using the Komo-Ise cohort database. The 56th Annual Meeting of Palynological Society of Japan, October 4, 2015. Kusatsu. (in Japanese)

- Konishi S.** Organized session. “Biodemography in the era of low fertility”. The 67th Annual Meeting of the Population Association of Japan, June, 7, 2015. Nagoya. (in Japanese)
- Konishi S, Tamaki E.** Demographic, socioeconomic, and biological factors associated with the experience of infertility treatment. The 67th Annual Meeting of the Population Association of Japan, June, 7, 2015. Nagoya. (in Japanese)
- Konishi S, Tamaki E.** Pregnancy intention and contraception of the single and married women in Japan. The 85<sup>th</sup> Annual Meeting of the Japanese Society for Hygiene, March 28, 2015, Wakayama. (in Japanese)
- Konishi S, Stickley A, Shinsugi C, Yasumoto S, Watanabe C.** Excess winter mortality in Japan: variation across age groups among the population aged 65 years old and above. The 26th Annual International Society for Environmental Epidemiology Conference, Aug 25, 2014, Seattle. (poster)
- Konishi S, Tamaki E.** Application of current duration approach in Japan. The 66th Annual Meeting of the Population Association of Japan, Tokyo, June 15, 2014. (in Japanese)
- Konishi S.** Fecundity and Population. The 66th Annual Meeting of the Population Association of Japan, Tokyo, June 15, 2014. (in Japanese)
- Tamaki E, **Konishi S.** Association between lifestyle factors and menstrual characteristics: a preliminary analysis of an internet-based survey. The 66th Annual Meeting of the Population Association of Japan, Tokyo, June 15, 2014. (in Japanese)
- Nishihama Y, Iida A, Yoshinaga J, Imai H, **Konishi S**, Nakajima D, Yoneyama M, Shiraishi H. Effects of parabens exposures on menstrual cycle characteristics. The 66th Annual Meeting of the Population Association of Japan, Tokyo, June 15, 2014. (in Japanese)
- Konishi S, Nishihama Y, Iida A, Yoshinaga J.** Association between serum antimüllerian hormone concentration and dysmenorrhea among 20- to 22-year-old women in Japan. The 84<sup>th</sup> Annual Meeting of the Japanese Society for Hygiene, Okayama, May 26, 2014. (in Japanese)
- Konishi S, Ng CFS, Stickley A, Nishihata S, Shinsugi C, Ueda K, Takami A, Watanabe C.** Particulate matter modified the association between airborne pollen and number of daily pollinosis consultations. The 84th Annual Meeting of the Japanese Society for Hygiene, Okayama, May 26, 2014. (in Japanese)
- Nishihama Y, Iida A, Konishi S, Imai H, Yoshinaga J.** Menstrual cycle characteristics as an indicator of reproductive function of women. The 16th Annual Meeting of the Japan Society of Endocrine Disruptors Research, Tokyo, December 12, 2013. (in Japanese)
- Konishi S, Stickley A, Shinsugi C, Yasumoto S, Watanabe C.** Regional difference in seasonal variation of mortality across Japan. The 78th Annual Meeting of the Japanese Society of Health and Human Ecology, Saga, November 13, 2013. (in Japanese)
- Konishi S.** Age and fecundity. The 65th Annual Meeting of the Population Association of Japan, Kyoto, June 2, 2013. (in Japanese)
- Konishi S.** Infertility and population. The 65th Annual Meeting of the Population Association of



- Japan, Kyoto, June 2, **2013**. (in Japanese)
- Inoue Y, Umezaki M, Li D, **Konishi S**, Du J, Watanabe C. Transition to a market economy and C-reactive protein concentrations among rural communities in Hainan Island, China. Human Biology Association Meetings 2013. Knoxville, TN, April 11, **2013**.
- Konishi S**. Fertility and international migration from the Kingdom of Tonga. The 64th Annual Meeting of the Population Association of Japan, Tokyo, June 2, **2012**. (in Japanese)
- Li D, Inoue Y, **Konishi S**, Umezaki M, Watanabe C. Predictors of C-reactive protein among children in five communities in Hainan Island, China. The 76th annual meeting of the Japanese Society of Health and Human Ecology, Fukuoka, November 24, **2011**.
- Riquelme A, **Konishi S**, Watanabe C. Cardiovascular risk factors in relation to lifestyle and behavioral factors among seasonal farm workers in Central Chile. The 76th annual meeting of the Japanese Society of Health and Human Ecology, Fukuoka, November 24, **2011**.
- Konishi S** and Tamaki E. An interdisciplinary project on reproductive aging: Exploring environmental, behavioral, and genetic factors. The 63rd Annual Meeting of the Population Association of Japan, Kyoto, June 11-12, **2011**. (in Japanese)
- Konishi S**. Use of Biomarkers in Demographic Research. The 63rd Annual Meeting of the Population Association of Japan, Kyoto, June 11-12, **2011**. (in Japanese)
- Konishi S**, Brindle E and O'Connor KA. Effect of Past Hormonal Contraceptive Use on Blood, Salivary, and Urinary Progesterone Levels in Young Women. Poster presentation for the Annual Meeting of the Population Association of America, Washington DC, April 1, **2011**.
- Konishi S**. An Interdisciplinary Project on Reproductive Aging. The 2nd Regional Meeting of the Population Association of Japan, Tokyo, March 10, **2011**. (in Japanese)
- Watanabe C, Umezaki M, Arizono K, Ikemoto Y, Inaoka T, Sekiyama M, Furusawa H, **Konishi S** and Jiang HW. Lifestyle and Subsistence Changes and their Health Impact in Asia and Oceania: ENVRERA Project. The 80th Annual Meeting of the Japanese Society for Hygiene, Sendai, May 9-11, **2010**.
- Watanabe C, Furusawa H, Takane E, Umezaki M, Arizono K, **Konishi S**, Inaoka T, Ikemoto Y, Pahari, K, Lam TD, Ahmed A, Abudullar O and Siba P. Urinary selenium excretion in rural and urban communities of five Asian regions: variation and causes of variation. The 9th International Symposium on Selenium in Biology and Medicine, Kyoto, May 31-June 4, **2010**.
- Watanabe C, Umezaki M, Arizono K, Inaoka T, Sekiyama M, Shimizu H, **Konishi S**, Jiang HW, Gunawan B and Abdoellah O. Subsistence transition and its effects on local natural and chemical environments in rural and urban communities of Asian-Pacific countries. Ecological Society of America, Albuquerque, NM, USA, August 2, **2009**.
- Fukuyama S**, Parajuli RP, Takane E, Jiang HW, Umezaki M and Watanabe C. Regional Differences of Reproductive Variables among Nepali Women. The 73rd Annual Conference of the Japanese Society of Health and Human Ecology, Yokohama, October 26-27, **2008**. (in Japanese)
- Chen C, Umezaki M, Furusawa H, **Fukuyama S** and Watanabe C. Cortisol and Estradiol Level

Related to the Seasonal Stress Among Female Taiwanese Immigrant in Vancouver, Canada. The 73rd Annual Conference of the Japanese Society of Health and Human Ecology, Yokohama, October 26-27, **2008**.

Takane E, **Fukuyama S**, Furusawa H, Parajuli RP, Umezaki M and Watanabe C. Urinary Trace Element Levels in Five Communities in Nepal: Evaluation of Micronutrient Status and Exposure to Metals. The 73rd Annual Conference of the Japanese Society of Health and Human Ecology, Yokohama, October 26-27, **2008**.

**Fukuyama S**, Umezaki M and Watanabe C. Levels and sources of energy and nutrient intake among Tongan adults. Poster presentation for the 39th Conference of the Asia-Pacific Academic Consortium for Public Health, Saitama, November 21-25, **2007**. (in Japanese)

**Fukuyama S**. Nutritional Ecology of Tongans: Study on Food Intake and Physical Activity Pattern in a Population with High Prevalence of Obesity. Annual meeting of a research project for Institute of Tropical Medicine and Hygiene, Nagasaki University. "Demographic, health and nutritional transition in Asia and Oceania regions: Review of the case studies", Nagasaki, January 28, **2007**.

**Fukuyama S**. Obesity prevalence in the Kingdom of Tonga: Comparison with the IOTF data. The 14th Annual Meeting of the Japanese Association for Human Auxology, Tokyo, November 25, **2006**. (in Japanese)

**Fukuyama S**. Food intake behaviour that relates to individual difference in obesity among Tongans. The 47th Annual Meeting of Japanese Society of Tropical Medicine and the 21st Japan Association for International Health, Nagasaki, October 11-13, **2006**. (in Japanese)

**Fukuyama S**. Daily Activity of Tongan People: Time Allocation Study in Kolovai. The 10th Annual Meeting of the Society for Ecological Anthropology. Date, Japan, March 18-19, **2005**. (in Japanese)

**Fukuyama S**, Inaoka T, Matsumura Y, Yamauchi T, Natsuhara K, Ohashi J, Kimura R and Ohtsuka R. Overweight among Tongan Children and Adolescents. The 69th Annual Conference of the Japanese Society of Health and Human Ecology, Tokyo, 2004. (in Japanese)

**Fukuyama S**. International Migration and Fertility Change of Tongans. The 21st Annual Meeting of the Japanese Society for Oceanic Studies, Saga, March 22-23, **2004**. (in Japanese)

**Fukuyama S**. International Out-migration from Kolovai, Tonga: Changes in the Past 20 Years. Kanto Regional Meeting of the Japanese Society for Oceanic Studies, Tokyo, January 24, **2004**. (in Japanese)

### Research Positions

2006-2007	Research Assistant for C. Watanabe, University of Tokyo
2009-2010	Visiting Researcher, Department of Anthropology, University of Washington
June-August 2014	Visiting Researcher, Department of Anthropology, University of Washington
March-May 2016	Visiting Researcher, Department of Anthropology, University of Washington
2007-2018 May	Assistant Professor, Department of Human Ecology, The University of Tokyo

2018 June-present Associate Professor, Department of Human Ecology, The University of Tokyo

### **Teaching Positions**

- 2007-present The University of Tokyo. Human Ecology, Demography, Health Education, Basic Research Methods ("Applying Biomarker Methods in Field Research").
- 2007-2015 Lecturer. Department of Literature, Rikkyo University. Human Ecology.
- 2008-2009, 2013 Lecturer. Kagawa Nutrition University. Environmental Ecology.
- 2004-2006 Teaching Assistant, The University of Tokyo.

### **Service**

#### *University of Tokyo*

- 2013 Working Group for the School of Integrated Health Sciences, Univ of Tokyo
- 2011 Working Group for the School of Integrated Health Sciences, Univ of Tokyo
- 2009 Working Group for the School of Integrated Health Sciences, Univ of Tokyo

### **Awards**

- 2018 Outstanding Paper Award, The Japanese Society of Health and Human Ecology, "Conception delay and spontaneous and indicated preterm birth among primiparous women in Japan" Konishi S, Sakata S, Ng CFS, Watanabe C. Vol.84 pp.117-128
- 2016 Outstanding Paper Award, The Japanese Society of Health and Human Ecology, "Pregnancy intention and contraceptive use among married and unmarried women in Japan" Shoko Konishi, Emi Tamaki Vol.82 pp.110-124
- 2014 Excellent Presentation Award, The 84th Annual Conference of The Japanese Society of Hygiene, "Association between serum antimüllerian hormone concentration and dysmenorrhea among 20- to 22-year-old women in Japan.
- 2014 Best Teachers Award 2013, Graduate School of Medicine, The University of Tokyo

### **Professional Membership**

- Population Association of Japan
- Japanese Society for Hygiene
- Palynological Society of Japan
- Society for Ecological Anthropology
- Japanese Society of Health and Human Ecology
- Human Behavior & Evolution Society of Japan (HBES-J)